

**PCT**

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> : <b>G01N 27/12</b>		<b>A1</b>	(11) International Publication Number: <b>WO 00/16081</b> (43) International Publication Date: 23 March 2000 (23.03.00)
(21) International Application Number: PCT/NL99/00562 (22) International Filing Date: 10 September 1999 (10.09.99) (30) Priority Data: 1010067 11 September 1998 (11.09.98) NL (71) Applicant (for all designated States except US): NEDERLANDSE ORGANISATIE VOOR TOEGEPAST- NATUURWETENSCHAPPELIJK ONDERZOEK TNO [NL/NL]; Schoemakerstraat 97, NL-2628 VK Delft (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): VAN DE BERG, Jan [NL/NL]; Bloklandpolderstraat 15, NL-2807 LH Gouda (NL). DE HAAN, Peter, Hillebrand [NL/NL]; Hof van Delftlaan 118, NL-2613 BS Delft (NL). (74) Agent: OTTEVANGERS, S., U.; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL-2587 BN The Hague (NL).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> <i>In English translation (filed in Dutch).</i>	
(54) Title: A SYSTEM FOR DETECTING THE PRESENCE OF MOISTURE (57) Abstract <p>The system comprises at least one electronic sensor for detecting the presence of moisture. The system further comprises at least one reading device for obtaining information from the sensor about the presence of moisture. The sensor comprises a resonant circuit which is at least partly formed from a moisture sensitive material, the electrical resistance of which increases when the material comes into contact with moisture. The reading device comprises transmitter-receiver means for generating an electromagnetic interrogation field.</p>			

BEST AVAILABLE COPY